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NOTICE OF ALLOWANCE AND FEE(S) DUE

22434

7590

03/24/2010

Weaver Austin Villeneuve & Sampson LLP P.O. BOX 70250 OAKLAND, CA 94612-0250 EXAMINER
SKIBINSKY, ANNA
ART UNIT PAPER NUMBER

1631

DATE MAILED: 03/24/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629.351	07/29/2003	Claes Gustafsson	MXGNP004X1/0311.310	6357

TITLE OF INVENTION: METHODS, SYSTEMS, AND SOFTWARE FOR IDENTIFYING FUNCTIONAL BIOMOLECULES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/24/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				s) Transmittal, This	certifi paper,	cate cannot be used for such as an assignmen	r domestic mailings of the or any other accompanying nt or formal drawing, must
Weaver Austin Villeneuve & Sampson LLP P.O. BOX 70250 OAKLAND, CA 94612-0250			I her State addr trans	Certice the certify that this es Postal Service with essed to the Mail semitted to the USPT	ficate Fee(s) In suff Stop I O (571	of Mailing or Transi) Transmittal is being icient postage for firs SSUE FEE address) 273-2885, on the da	nission deposited with the United t class mail in an envelope above, or being facsimile tte indicated below.
							(Depositor's name)
			<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	1	ATTOR	NEY DOCKET NO.	CONFIRMATION NO.
10/629,351 ITTLE OF INVENTION	07/29/2003 : METHODS, SYSTEM	S, AND SOFTWARE FO	Claes Gustafsson OR IDENTIFYING FUNC			NP004X1/0311.310	6357
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0		\$1810	06/24/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
SKIBINSK	Y, ANNA	1631	702-019000				
"Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Unl recordation as set fort! (A) NAME OF ASSIGNAME OF AS	ND RESIDENCE DATA less an assignee is identi h in 37 CFR 3.11. Comp GNEE	"Indication form led. Use of a Customer A TO BE PRINTED ON This ified below, no assignee soletion of this form is NO	(B) RESIDENCE: (CITY	rely, e firm (having as a rigent) and the names ries or agents. If no printed. e) tent. If an assigned assignment. and STATE OR CC	nembers of uponame	ra 2to to to s is 3 entified below, the do	ocument has been filed for
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a. Applicant claim	tus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no long				
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22434 7:	590 03/24/2010		EXAMINER		
Weaver Austin Villeneuve & Sampson LLP P.O. BOX 70250			SKIBINSKY, ANNA		
			ART UNIT	PAPER NUMBER	
OAKLAND, CA 94612-0250			1631		
			DATE MAILED: 03/24/2010		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 47 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 47 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/629,351	GUSTAFSSON ET AL.	
Notice of Allowability	Examiner	Art Unit	
	ANNA SKIBINSKY	1631	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. ☑ This communication is responsive to 3/10/2009. 2. ☑ The allowed claim(s) is/are 76,78,79,81,102-108 and 120-13. ☐ Acknowledgment is made of a claim for foreign priority under the communication of the: 1. ☐ Certified copies of the priority documents have	ears on the cover sheet with to (OR REMAINS) CLOSED in this or other appropriate communic IGHTS. This application is subjut and MPEP 1308. 129. 129. 129.	he correspondence address s application. If not included ation will be mailed in due course. THIS ect to withdrawal from issue at the initiativ	e
2. ☐ Certified copies of the priority documents have		lo	
3. Copies of the certified copies of the priority dod International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give [as "replacement sheets") must [as a "including changes required by the Notice of Draftspers [as a "including changes required by the attached Examiner's Paper No./Mail Date [b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the company of the proper in the prope	of this communication to file a rate of this application. Itted. Note the attached EXAMI as reason(s) why the oath or dest be submitted. It is a polication. It is a polication. It is a polication. It is a polication.	this national stage application from the eply complying with the requirements NER'S AMENDMENT or NOTICE OF claration is deficient. PTO-948) attached the Office action of rawings in the front (not the back) of .121(d). AL must be submitted. Note the	
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview Sumr Paper No./Ma 7.	il Date	

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DETAILED ACTION

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeff Weaver on February 22, 2010.

Information Disclosure Statement

The 1449 of the IDS filed 6/1/2004 has been included herein because several of the references cited (i.e. C56, C72, C82, C83 and C91) did not have dates. The reference citations have been corrected by the Examiner to include the dates.

In the claims:

In claim 76, lines 7-9, delete "specifying the presence or absence of nucleotides at corresponding positions in the nucleotide sequence"; and insert --each specifying the presence or absence of a nucleotide, identity of said nucleotide, and position of said nucleotide in a nucleotide sequence--

In claim 76, line 11, delete "/or nucleotide types at specific"; and insert --nucleotide types at the ranked--

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In claim 76, line 14, after "desired activity"; insert --, wherein the nucleotides to be varied include codons encoding particular amino acids--

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In claim 78, change to depend from claim 76

In claim 79, line 1, delete "machine readable storage"; insert –tangible machine readable medium—

In claim 79, lines 10-11, delete "specifying the presence of absence of nucleotides at corresponding positions in the nucleotide sequence"; and insert --each specifying the presence or absence of a nucleotide, identity of said nucleotide, and position of said nucleotide in a nucleotide sequence--

In claim 79, line 13, delete "/or nucleotide types at specific"; and insert --nucleotide types at the ranked—

In claim 79, line 15-16, delete "/or the nucleotide types at specific"; and insert –the nucleotide types at the ranked—

In claim 79, line 18, after "desired activity"; insert --, wherein the nucleotides to be varied include codons encoding particular amino acids--

Cancel claim(s): 77 and 80.

New claim(s):

--126(New). The method of claim 76, wherein the presence or absence of a nucleotide, as specified by an independent variable, is represented by a bit value.—

--127(New). The method of claim 76, wherein the independent variables have associated coefficients specifying a magnitude of contribution of independent nucleotides at their corresponding positions to said activity.

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--128(New). The computer program products of claim 79, wherein the presence or absence of a nucleotide, as specified by an independent variable, is represented by a bit value.—

--129(New). The computer program products of claim 79, wherein the independent variables have associated coefficients specifying a magnitude of contribution of independent nucleotides at their corresponding positions to said activity.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anna Skibinsky whose telephone number is (571) 272-4373. The examiner can normally be reached on 8 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marjorie Moran can be reached on (571) 272-0720. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anna Skibinsky /AS/

Examiner, Art Unit 1631

/John S. Brusca/

Primary Examiner, Art Unit 1631